

1.8 Mountain Region Climate



The Three Sisters- Australia



The Three Sisters- Blue Mountains New South Wales, Australia



- ❧ Their names are Meehni (922 m), Wimlah (918 m), and Gunnedoo (906 m).
- ❧ The commonly told legend of the **Three Sisters** is that three sisters fell in love with three men from a neighbouring tribe, but marriage was forbidden by tribal law

The Three Sisters- Blue Mountains New South Wales, Australia



❧ Battle ensued, and the sisters were turned to stone by an elder to protect them

❧ He was killed in the fighting and no one else could turn them back.

The Three Sisters- Australia



Rocky Mountains British Columbia



Rocky Mountains British Columbia



Mountain Range Climate



- ❧ The Rocky Mountains have unpredictable weather which can change rapidly
- ❧ As with other highland climates, the climate changes with increasing altitude. In general, the Rockies have mild summers, cold winters and a lot of precipitation.

Mountain Range Climate



- ❧ The Rockies have very different seasons
- ❧ In the winter there is deep snow, high winds, and sudden blizzards are common
- ❧ At night it can get to -40°C or below!

Mountain Range Climate

- ❧ In the spring there is unpredictable weather
- ❧ It could be wet or dry, cold or warm
- ❧ In the summer there are sunny mornings, afternoon thunderstorms and clear nights.

Mountain Range Climate

- ❧ In the fall there are cool, crisp days, wind and decreasing precipitation.
- ❧ Average January temperatures can range from 20 °F (−7 °C) to 43 °F (6 °C) in some US states
- ❧ There is no one ecosystem found in mountain climates

Mountain Region Climate

- ❧ The position of mountains influence climate, such as rain or snow

Mountain Region Climate

- ❧ When air masses move up and over mountains, the air cools producing precipitation (rain or snow)



Mountain Region Climate

- ❧ The higher you get the thinner the air and the colder it gets. About 3 degrees C for each 1000 feet
- ❧ The climatic **snow line** is the point above which snow and ice cover the ground throughout the year.



Mountain Region- Vegetation



There is lots of vegetation. The forests are full of pine trees, firs and spruces. Plants are very sturdy, most clinging to rock or hard soil.

Mountain Region- Animals



Wolves



Mountain Region- Animals



❧ Mule Deer



Mule Deer



- ❧ Mule deer are stockier than their eastern relative, the white-tailed deer, standing about three feet tall and averaging 200 pounds, with a brown or gray coat
- ❧ Fawns are born in June. Their spotted coats and lack of scent helps conceal them from predators

Bighorn Sheep



Bighorn Sheep

- ❧ Both sexes have horns. The female (ewe) has short, slightly curved horns, while the male (ram) has the familiar heavy curling horns
- ❧ In the summer, they stay in high mountain areas, rams separate from the ewes

Bighorn Sheep



✧ When the snow falls and November mating season approaches, bighorns move down to their traditional ranges and the rams join the ewes.

Other Animals

Mountain Goats



Other Animals

Mountain Goats



Other Animals

Pika

CG

